

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. SHA01 P-345A	SERIAL NO.
	APPLICANT(S) Mark Weissenborn et al.	
	FILING DATE	GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
Hg	6 3 1 8 7 7 5	11/20/2001	Heatherington et al.			
	6 2 1 7 0 8 9	04/17/2001	Goto et al.			
	6 1 7 9 3 5 3	01/30/2001	Heatherington et al.			
	6 1 6 5 5 8 8	12/26/2000	Wycech			
	6 1 3 8 4 2 9	10/31/2000	Baumgaertner			
✓	6 0 4 2 1 6 3	03/28/2000	Reiffer			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
Hg	5 6 3 5 4 8	10/06/1993	EPO			
Hg	6 2 8 6 5 3 6	10/11/1994	Japan			
Hg	2 4 4 9 1	02/02/1993	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
Hg	Publication No. 2001/0017473 A1, Inventor Yamamoto, Publication Date 08/30/2001, Title BUMPER BEAM

EXAMINER Hg	DATE CONSIDERED 10/26/04
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
HG	6 0 0 3 9 1 2	12/21/1999	Schonhoff et al.			
	6 0 0 0 7 3 8	12/14/1999	Stewart et al.			
	5 9 9 7 0 5 8	12/07/1999	Pedersen			
	5 8 5 7 7 3 4	01/12/1999	Okamura et al.			
	5 8 1 3 7 1 8	09/29/1998	Masuda et al.			
	5 7 9 9 9 9 1	09/01/1998	Glance			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
HG	2 2 7 7 5 0	10/08/1991	Japan			
HG	2 4 0 3 2 2	09/25/1989	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
HG	Publication No. <u>2003/0132640 A1</u> , Inventor Weissenborn et al., Publication Date July 17, 2003, Title BUMPER ENERGY ABSORBER WITH FOAM AND NON-FOAM PIECES

EXAMINER KG	DATE CONSIDERED 10/26/04
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
HG	5 7 8 5 3 7 6	07/28/1998	Nees et al.			
	5 7 5 6 1 6 7	05/26/1998	Tamura et al.			
	5 6 7 2 4 0 5	09/30/1997	Plank, Jr. et al.			
	5 5 6 0 6 6 2	10/01/1996	Apgar, Jr. et al.			
	5 5 4 5 3 6 1	08/13/1996	Rosasco			
V	5 5 4 5 0 2 2	08/13/1996	Rosasco			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
HG	6 6 0 0 8	03/13/1989	Japan			
Hr	1 3 8 2 6 9 3	03/23/1988	Soviet Union			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
HG	U.S. Application No. 10/163,838 filed on June 6, 2002 entitled BUMPER WITH INTEGRAL ENERGY ABSORBER AND BEAM (6,663,150)

EXAMINER	DATE CONSIDERED 10/28/07
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
HG	5 5 4 0 0 1 6	06/30/1996	Clausen			
	5 4 2 5 5 6 1	06/20/1995	Morgan			
	5 4 0 7 2 3 9	04/18/1995	Arai et al.			
	5 4 0 4 0 7 4	04/11/1995	Thum et al.			
	5 3 8 5 3 7 5	01/31/1995	Morgan et al.			
	5 3 4 0 1 7 8	08/23/1994	Stewart et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
HG	1 6 9 3 5 0	07/31/1986	Japan			
HG	1 7 2 6 0 3	08/04/1986	Japan			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		
HG		U.S. Application No. 10/163,586 filed on June 6, 2002 entitled BUMPER SYSTEM WITH FOAM AND NON-FOAM COMPONENTS (6, 672, 635)

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
HG	5 2 7 7 4 6 9	01/11/1994	Klippel			
	5 2 3 2 2 6 1	08/03/1993	Kuroda et al.			
	5 2 1 9 1 9 7	06/15/1993	Rich et al.			
	5 1 8 9 6 2 9	01/19/1993	Terada et al.			
	5 1 5 4 4 6 2	10/13/1992	Carpenter			
✓	5 1 2 4 1 8 6	06/23/1992	Wycech			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
HG	3 3 4 3 7 0 9	06/20/1984	Germany			
He	2 0 2 7 5 1 6	02/20/1980	UK			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
HG	U.S. Application No. 10/208,300 filed on July 30, 2002 entitled BUMPER FOR REDUCING PEDESTRIAN INJURY (6,685,243)

EXAMINER	DATE CONSIDERED 10/26/07
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
H3	5 0 9 2 5 1 2	03/03/1992	Sturru et al.			
	5 0 4 0 3 9 9	08/20/1991	Knapper et al.			
	5 0 0 5 8 8 7	04/09/1991	Kelman			
	4 9 7 0 5 6 2	12/18/1990	Wycech			
	4 9 4 0 2 7 0	07/10/1990	Yamazaki et al.			
	4 8 6 2 6 6 6	09/05/1989	Kero			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
H3	6 4 5 7 2 1	11/08/1950	UK			
	7 6 6 1 8 6	06/22/1934	France			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
H3	Publication No. 2002/0149214 A1, Inventor Evans, Publication Date 10/17/02, Title BUMPER SYSTEM WITH FACE-MOUNTED ENERGY ABSORBER

EXAMINER <i>H3</i>	DATE CONSIDERED <i>10/26/04</i>
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
Hs	4 8 5 6 8 3 3	08/15/1989	Beekman			
	4 8 1 1 9 7 9	03/14/1989	Peter et al.			
	4 7 9 6 9 4 6	01/10/1989	Wilson et al.			
	4 7 8 3 1 0 4	11/08/1998	Watanabe et al.			
	4 7 1 5 6 3 0	12/29/1987	Manning			
	4 7 1 4 2 8 7	12/22/1987	Merkle			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N
	4 0 0 7 5	04/20/1932	France			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
Hs	Publication No. 2002/0149213 A1, Inventor Weissenborn, Publication Date 10/17/02, Title BUMPER SYSTEM WITH FACE-ABUTTING ENERGY ABSORBER

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
HG	4 6 8 4 1 6 6	08/04/1987	Kanodia			
	4 5 7 8 9 7 9	04/01/1986	Abe et al.			
	4 4 3 3 5 6 5	02/28/1984	Preller			
	4 4 2 2 6 8 0	12/27/1983	Goupy			
	4 4 1 3 8 5 6	11/08/1983	McMahan et al.			
	4 3 8 6 7 9 9	06/07/1983	Molnar			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	
HG	Exhibit A (2001) includes four pictures of a prior art vehicle bumper system on a Ford Focus model vehicle, which includes a steel beam and an energy absorber that wraps around ends of the beam. The energy absorber includes a lower-density black foam body and has several higher-density white foam blocks inset into an inner surface of the black foam. (Note: Photo 1 shows an "extra" energy absorber loosely setting on a rear bumper system of a Ford Focus, the "extra" energy absorber being reversed to show its inner surface with the white foam blocks exposed.)

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
H9 ↓	4 3 6 1 3 5 2	11/30/1982	Wakamatsu			
	4 3 3 3 6 7 4	06/08/1982	Buettner et al.			
	4 3 2 0 9 1 3	03/23/1982	Kuroda			
	4 7 1 7 3 5 0	03/02/1982	Sivachenko et al.			
	4 2 9 1 5 6 4	09/29/1981	Muckli			
	4 2 4 8 0 7 2	02/03/1981	Hasegawa et al.			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
						Y	N

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EXAMINER <i>H9</i>	DATE CONSIDERED 10/26/04
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U.S. PATENT DOCUMENTS


EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPRO- PRIATE
HG	4 2 4 1 1 4 6	12/23/1980	Sivachenko et al.			
	4 2 3 3 8 3 3	11/18/1980	Balinski			
	4 2 2 5 1 6 7	09/30/1980	Buettner et al.			
	4 2 2 1 4 1 3	09/09/1980	Bonnetain			
	4 1 6 5 1 1 3	08/21/1979	Casse			
	4 1 1 1 4 7 8	09/05/1978	Pompei et al.			

FOREIGN PATENT DOCUMENTS

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						Y	N

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Hg	4 0 9 5 8 3 1	06/20/1978	Hagiwara et al.			
	4 0 6 6 2 8 5	01/03/1978	Hall et al.			
	4 0 2 2 5 0 5	05/10/1977	Saczawa, Jr.			
	4 0 1 3 3 1 7	03/22/1977	Reidelbach et al.			
	3 9 8 9 2 9 2	11/02/1976	Bank et al.			
	3 9 0 2 7 4 8	09/02/1975	Bank et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLA- TION
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H0	3 8 8 4 5 1 2	05/20/1975	Davidson			
	3 8 2 7 7 4 0	08/06/1974	Golze et al.			
	3 7 7 7 4 3 8	12/11/1973	Brown			
	3 7 6 8 8 5 0	10/30/1973	Barton et al.			
	3 7 6 2 1 9 5	10/02/1973	Kitanosono et al.			
V	3 5 9 6 9 6 3	08/03/1971	Phillips			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION	
						Y	N

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EXAMINER <i>AM</i>	DATE CONSIDERED <i>10/26/04</i>
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H3	3 3 9 2 5 6 6	07/16/1968	Sporck			
	2 7 3 4 4 0 7	02/14/1956	Smith			
	2 3 7 1 6 7 1	03/20/1945	Blount et al.			
	1 9 5 2 5 4 5	03/27/1934	Gotshall			
	1 9 2 7 4 4 2	09/19/1933	Laufle			
	1 4 9 9 9 8 6	07/01/1924	Kirsch			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL	

EXAMINER <i>RS</i>	DATE CONSIDERED <i>10/28/04</i>
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HS	1 4 2 9 0 6 1	09/12/1922	Coe	/	/	
	R E 1 5 2 5 5	12/27/1921	Limacher			
	1 3 6 2 4 3 9	12/14/1920	Roberts			
	1 2 4 7 5 6 9	11/20/1917	Palmer			
	8 3 1 7 5 5	09/25/1906	Husham			
	6 4 2 8 0 6 4	08/06/2002	Frederick			

FOREIGN PATENT DOCUMENTS

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						Y	N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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LS	6 4 0 6 0 8 1	06/18/2002	Mahfet et al.			
	6 2 7 6 1 0 5	08/21/2001	Wycech			
	5 4 3 1 4 6 4	07/11/1995	Jones et al.			
	5 1 3 9 2 9 7	08/18/1992	Carpenter et al.			
	4 5 9 2 5 8 0	06/03/1986	Stanganelli et al.			
	4 4 6 6 6 4 6	08/21/1984	Delmastro et al.			

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						Y N

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EXAMINER 22	DATE CONSIDERED 10/26/04
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Hr	4 2 5 2 3 5 5	02/24/1981	Goupy et al.			
	4 1 9 3 6 2 1	03/18/1980	Peichl et al.			
	2 6 8 5 2 6 9	08/03/1954	Manson			
	2 6 0 6 7 5 5	08/12/1952	Samuels			
	2 5 6 6 6 0 5	09/04/1951	Ekornaas			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLA- TION
						Y N

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER INITIAL		

EXAMINER <i>AS</i>	DATE CONSIDERED <i>10/26/09</i>
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